Pascal Compiler - Michael Lehman

Meta Tech - 2 principals + part time sec.

Z-80/8080   CP/M   native code

Jan —

   4 months to P-CODE compiler + interpreter ($ <8K)
   1 more month to native code as well

   Compiler written in assembler (with macros)

Language — Standard J&W ~~W/~~ sets + graphics, controller interfaces, sound?, etc.

Compile → Load → Run scenario (No linking sep. com. modules)

P-Code same as UCSD? No— new design.

Debugger

P-Code Compiler ⤷ & Interpreter $35K-40K or $25K + royalty $10
P-Code + native "   50K-55K or 30K + royalty $10

SVA

Pascal Meeting

BYTE as a new data type — 2 per word.

ORG in   variable declarations

pointer/integer

No PACKED/UNPACKED option

Sub-ranges supported.

INCLUDE (at least two levels)

PROGRAM — as in current Pascal
MODULE — allows EXTERNAL declaration to
            main prog GLOBAL variables; all other
            vars local. No module global vars, just local
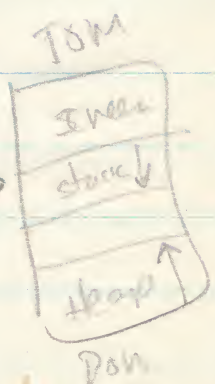
Library maintenance routine?
Reloc module
Linker
Compiler
Interp. — 8K

TOM
Inven
stores↓
shop↑
Don
?

Dynamic memory handling on screen changes
or declare max screen usage to compiler.
NEW, MARK, RELEASE — DISPOSE is a new op.

RECORDs O.K.

I/O ————————

will include all CIO/handler options
SEEK to record n of file.
XIO like capability + complete parameter select.
random disk I/O with index file (optional)
formatting as per standard spec.

strings — dynamic length
compare (SCAN/PAUSE ?)
concatenation (CONCAT (_ , _ , _))
COPY ala UCSD

Underscore in labels O.K & ignored.